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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original): A method for testing arbitration logic or bus-mastering logic associated with a digital logic device, the method comprising:
 - receiving a request at a secondary component coupled to a primary component through arbitration logic, the request characteristic of a primary component request;
 - determining a pseudo-random delay prior to responding to the request; and
 - pseudo-randomly delaying a response to the request.
2. (Original): The method of claim 1, wherein pseudo-randomly delaying comprises:
 - adjusting the wait-state and/or latency.
3. (Original): The method of claim 2, wherein adjusting the wait-state and/or latency comprises:
 - selecting a time delay from a delay mechanism.
4. (Original): The method of claim 3, wherein the delay mechanism is a linear feedback shift register.
5. (Original): The method of claim 3, wherein the delay mechanism uses cyclical redundancy checking.
6. (Original): The method of claim 5, wherein responding to the request comprises:
 - sending a response from the secondary component to the primary component.
7. (Original): The method of claim 1, wherein the arbitration logic is a simultaneous multiple primary component switching fabric.
8. (Original): The method of claim 7, wherein a plurality of secondary components are coupled to a plurality of primary components through the simultaneous multiple primary component switching fabric.

9. (Original): The method of claim 8, wherein the plurality of secondary components generate pseudo-random delays for requests from the plurality of primary components.
10. (Original): The method of claim 9, wherein the plurality of secondary components pseudo-random delay responses to requests from the plurality of primary components.
11. (Original): The method of claim 1, wherein the pseudo-random delay is used to adjust the wait-state of the secondary component.
12. (Original): The method of claim 1, wherein the pseudo-random delay is used to adjust the latency of the secondary component.
13. (Currently Amended): A secondary component, comprising:
an interface coupled to an interconnection module, the interface configured to communicate with a primary component through the interconnection module; and
a delay mechanism configured to determine values operable to delay responses to requests received through the interconnection module, wherein the values are pseudo-randomly generated values.
14. (Original): The secondary component of claim 13, wherein the delay mechanism is configured to adjust the wait-state if the request is either a write request or a read request.
15. (Canceled)
16. (Currently Amended): The secondary component of claim ~~13~~¹³¹⁵, wherein the delay mechanism is a linear feedback shift register.
17. (Currently Amended): The secondary component of claim ~~13~~¹³¹⁵, wherein the delay mechanism uses cyclical redundancy checking.
18. (Currently Amended): The secondary component of claim ~~13~~¹³¹⁵, wherein the delay mechanism is configured to initiate a counter to execute the time delay.

19. (Currently Amended): The secondary component of claim ~~13~~15, wherein the delay mechanism is configured to adjust the latency associated with the secondary component.
20. (Currently Amended): The secondary component of claim ~~13~~15, wherein the delay mechanism is configured to adjust the wait-state associated with the secondary component.
21. (Currently Amended): A programmable chip, comprising:
a plurality of primary components;
a plurality of secondary components operable to receive requests from the plurality of primary components; and
arbitration logic coupling the plurality of primary components to the plurality of secondary components, the arbitration logic operable to arbitrate primary component access requests for secondary components;
wherein the plurality of secondary components are configured to determine delay values for adjusting response times to requests received through arbitration logic, wherein the values are pseudo-randomly generated values.
22. (Original): The programmable chip of claim 21, wherein the plurality of primary and secondary components include processor and memory components.
23. (Original): The programmable chip of claim 21, wherein the plurality of secondary components are configured to adjust latency characteristics associated with response times.
24. (Original): The programmable chip of claim 21, wherein the plurality of secondary components are configured to adjust wait-state characteristics associated with response times.
25. (Original): The programmable chip of claim 21, wherein delay values are determined using a linear feedback shift register.
26. (Original): The programmable chip of claim 21, wherein delay values are determined using cyclical redundancy checking.
27. (Original): The programmable chip of claim 21, wherein the arbitration logic is operable to provide access to secondary components for multiple primary components simultaneously.

28. (Original): An apparatus for testing arbitration logic associated with a programmable chip system, the apparatus comprising:
- means for receiving a request at a secondary component coupled to a primary component through arbitration logic, the request characteristic of a primary component request;
 - means for determining a pseudo-random delay prior to responding to the request; and
 - means for pseudo-randomly delaying a response to the request.
29. (Original): The apparatus of claim 28, wherein pseudo-randomly delaying comprises:
- means for adjusting the wait-state and/or latency.
30. (Original): The apparatus of claim 28, further comprising:
- means for sending the delayed response from the secondary component to the primary component.